

INTERNATIONAL SEARCH REPORT

International Application No

PCT/IB2005/050788

A. CLASSIFICATION OF SUBJECT MATTER		
IPC 7	H01Q1/24	H01Q9/04 H01Q5/00 H01Q1/40
According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED		
Minimum documentation searched (classification system followed by classification symbols)		
IPC 7 H01Q		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practical, search terms used)		
EPO-Internal, WPI Data, PAJ		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 109 251 A (MURATA MANUFACTURING CO., LTD) 20 June 2001 (2001-06-20) column 1, line 7 - column 8, line 52; figures 1-8	1-15
X	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 10, 31 August 1999 (1999-08-31) - & JP 11 136025 A (MURATA MFG CO LTD), 21 May 1999 (1999-05-21) abstract; figures 1-7	1-15
A	FR 2 825 518 A (AMPHENOL SOCAPEX) 6 December 2002 (2002-12-06) page 9, line 8 - page 9, line 36; figures 1-10	1-15
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<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C. <input checked="" type="checkbox"/> Patent family members are listed in annex.		
* Special categories of cited documents : *A* document defining the general state of the art which is not considered to be of particular relevance *E* earlier document but published on or after the international filing date *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) *O* document referring to an oral disclosure, use, exhibition or other means *P* document published prior to the international filing date but later than the priority date claimed *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. *&* document member of the same patent family		
Date of the actual completion of the international search		Date of mailing of the international search report
1 June 2005		08/06/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016		Authorized officer Fredj, A

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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A	VIRATELLE D ET AL: "Dual-band printed antenna for mobile telephone applications" IEE PROCEEDINGS H. MICROWAVES, ANTENNAS & PROPAGATION, INSTITUTION OF ELECTRICAL ENGINEERS. STEVENAGE, GB, vol. 147, no. 5, 10 October 2000 (2000-10-10), pages 381-384, XP006014296 ISSN: 0950-107X page 381, column 1 - page 382, column 1; figures 1,2 -----	1-15
A	EP 1 079 463 A (RANGESTAR INTERNATIONAL CORPORATION) 28 February 2001 (2001-02-28) abstract; figures 1-4 -----	1-15
A	PATENT ABSTRACTS OF JAPAN vol. 2003, no. 04, 2 April 2003 (2003-04-02) -& JP 2002 353624 A (MURATA MFG CO LTD), 6 December 2002 (2002-12-06) abstract -----	1-15

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Information on patent family members

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